

Test Plan Document

1. We test each functionality from login, logout, create account, delete account, withdraw, deposit, transfer, Transaction Summary File, and Valid Account List according to specified requirements and constraints. (Figure. 1)

Name	Date modified	Type	Si
Createacct	10/6/2019 2:50 PM	File folder	
Deleteacct	10/6/2019 2:50 PM	File folder	
Deposit	10/5/2019 3:07 PM	File folder	
Login	10/6/2019 3:06 PM	File folder	
Logout	10/6/2019 3:00 PM	File folder	
TransactionSummary	10/5/2019 3:07 PM	File folder	
Transfer	10/6/2019 2:50 PM	File folder	
ValidAccountList	10/6/2019 2:50 PM	File folder	
Withdraw	10/5/2019 3:07 PM	File folder	

Figure 1. All test files

2. We have several test cases for each requirement within each functionality. (Figure. 2)

R1T1-NEW	R1T2-NEW	R2T1-NEW	R2T2-NEW	R2T3-NEW
R2T4-NEW	R2T5-NEW	R2T6-NEW	R2T7-NEW	R3T1-NEW
R3T2-NEW	R4T1-NEW	R4T2-NEW	R4T3-NEW	R4T4-NEW
R4T5-NEW	R4T6-NEW	R4T7-NEW	R5T1-NEW	R5T2-NEW
R5T3-NEW	R6T1-NEW			

Figure 2. Example test files for create account

3. And for each test cases, we have four files, (Figure. 3)

Name	Date modified	Type	Size
in.txt	10/4/2019 6:14 PM	Text Document	1 KB
inputF.txt	10/4/2019 6:14 PM	Text Document	0 KB
out.txt	10/4/2019 6:14 PM	Text Document	1 KB
outF.txt	10/4/2019 6:14 PM	Text Document	0 KB

Figure 3. Four files within a test case

- a. in.txt: terminal input on command that will recognize by the program. For example, the file will contain { login agent creatacct }.
- b. inputF.txt: the file needed for specific functionality. For example, the file will contain Valid Account List is we are testing delete account.
- c. out.txt,: We have the terminal output of specific test. For example, if an error occurs, the file will contain error message about the error.
- d. outF.txt: the file takes the stored info. For example: the output of logout will be the Transaction Summary file.

4. Overall, our plan is to write a bash script that will automatically reads through each directory, then reads through all the test cases within. For each test cases, it will read the in.txt file as the terminal input and the inputF.txt file as the file input and it will determine if the terminal output is the same as our expected output stored in out.txt and outF.txt using an equality operator. If it is not the case, that means that the test is not running as expected, so the script will write it to another file for us to check manually.

Both Valid Account List file and Transaction Summary File will be generated in the test process. (after create account and logout).

Missing requirements:

1. Only Account name and account number is required, but no password field is required.
This means if other users know the Account name and account number, they can perform operations on any account without authorization from the account owner.
2. No test function to check Transaction Summary File
3. No test function to check Valid Account List File
4. Since Valid Account List File only contains account number, if user needs to delete an account, both account number and account name must match. This requires reading of transaction file or another file storing account name account number pair.
5. Previously deleted account number should be reusable after one processing day.